

WEni

26601

-2501764

2400

4 09.4

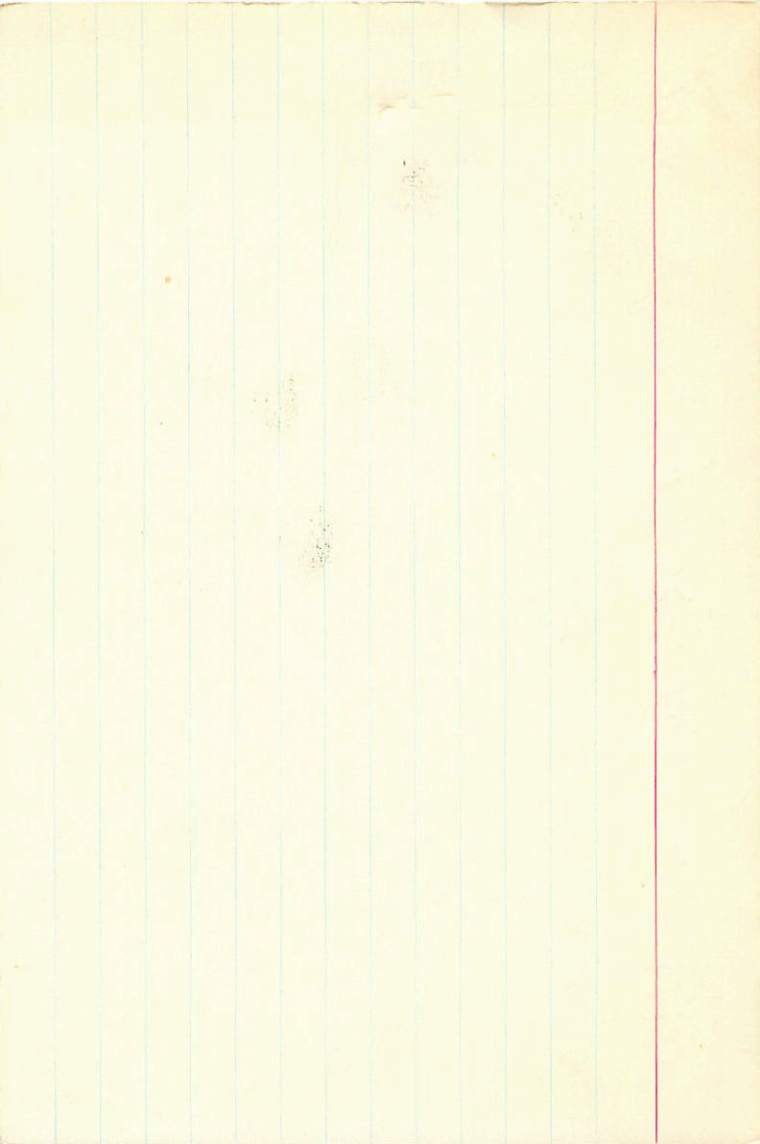
-25

14

7.8

gm7a table

266



26584

4 095

858

+354 Clear  
1988

646 65

515

40043 4006

1115

054 006

64

9

15  
354

6003  
284

9104  
4007

[

68596 7:04:17 -0858 100+

5055

~~1004-1004~~  
~~1004-1004~~  
1004

Approved

21.520 2.0  
2.1  
308

11  
14.55  
54.90

19245 3527

12.180  
13.77  
1.59  
35.4

54.17 2.669

56.07 28.810  
5.12 31.463  
5.5.53

143  
369

157

14.5104 +01457.1

10027  
10037

2.0  
2.1

54.76 1.7  
37  
5855

4116

28.57  
33.24  
55.28  
14  
417

55.28  
14  
417  
222

76

R.A.	:	4.150
DEC.	:	-9.000
PM. R.A.	:	64.000
PM. DEC.	:	6.000
DISTANCE	:	1.500
MODULUS	:	20
RAD. VEL.	:	39.400

q1 (U)	:	0.347
q2 (U)	:	0.603
q3 (U)	:	0.718
MP	:	121.153
U	:	30.708

q1 (V)	:	-0.646
q2 (V)	:	0.709
q3 (V)	:	-0.284
MP	:	-173.318
V	:	-14.629

q1 (W)	:	0.680
q2 (W)	:	0.365
q3 (W)	:	-0.630
MP	:	214.160
W	:	-20.770

76

YY Eric

100458

4 09.8

-10

36

8.4

65+65 -20.0

150  $\text{P}^3$   $\text{P}^2$   $\text{P}^1$   $\text{P}^0$

W 2403

-43

+3

-17

-113 -122 Y

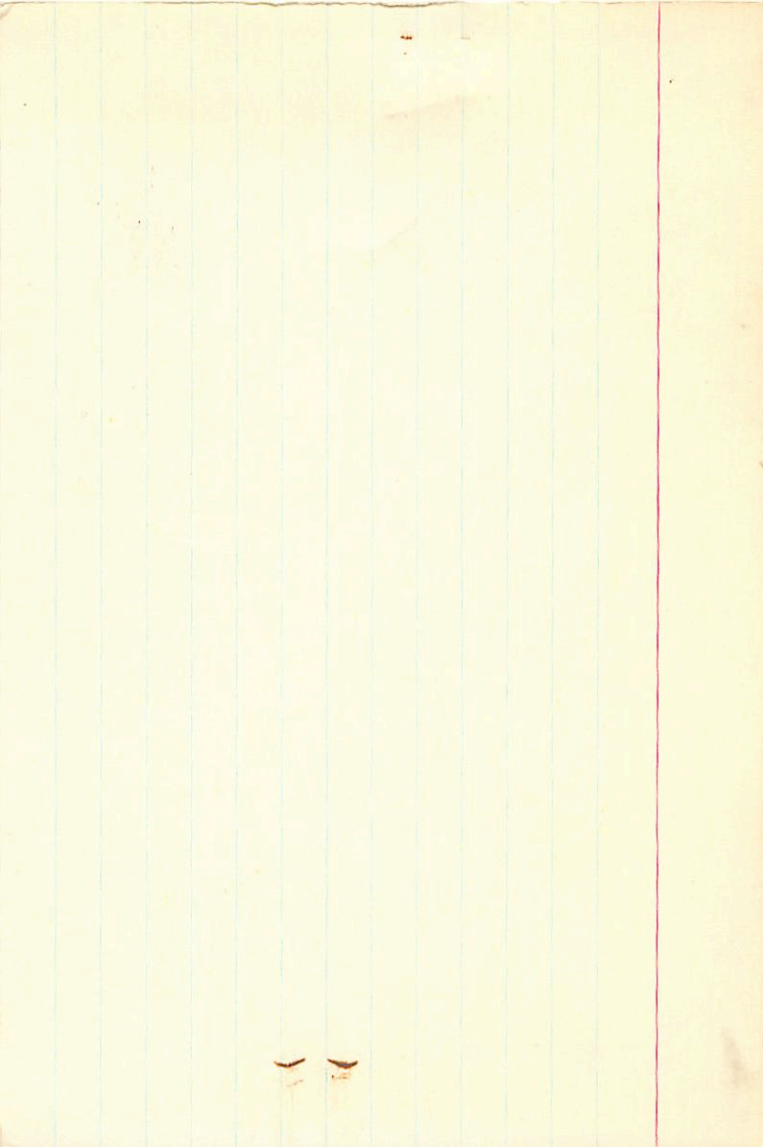
$\frac{2}{-113}$

$\frac{-122}{-113}$

$\frac{+2}{-122}$

$\frac{-2}{-122}$

$\frac{-17}{-112}$





26605

4 10.7

+37

50

64 891E

0.5

+29.2 8

-0046 ± 0.5

-054

-001 00

39.765 98.3

-001 ± 0.6

27.44 99.9

39.762

58.51

27.73

27

-

-10

989

27.63

27



\* 0000.0000 \*  
26605.0000 \*

\* 0000 \*  
\* 1000 \*  
\* 2000 \*  
\* 3000 \*  
\* 4000 \*  
\* 5000 \*  
\* 6000 \*  
\* 7000 \*  
\* 8000 \*  
\* 9000 \*  
\* 10000 \*

0000000000  
0000000000  
0000000000

1000000000

0000000000  
0000000000

2000000000

1000000000  
1000000000

*AK*

0000000000  
0000000000

A053063

26677

4 10.8

+ 0.8

46

$\frac{0.3}{6.2}$

A3 + 7.5

+ 0011 ± 4.7  
+ 0003

- 025 ± 4.2

2408

5087

48.317

1890.1

+ 8 45

52.44 1884.0

066

1,257

48.231

32  
263

012

+ 0007 - 028  
+ 2

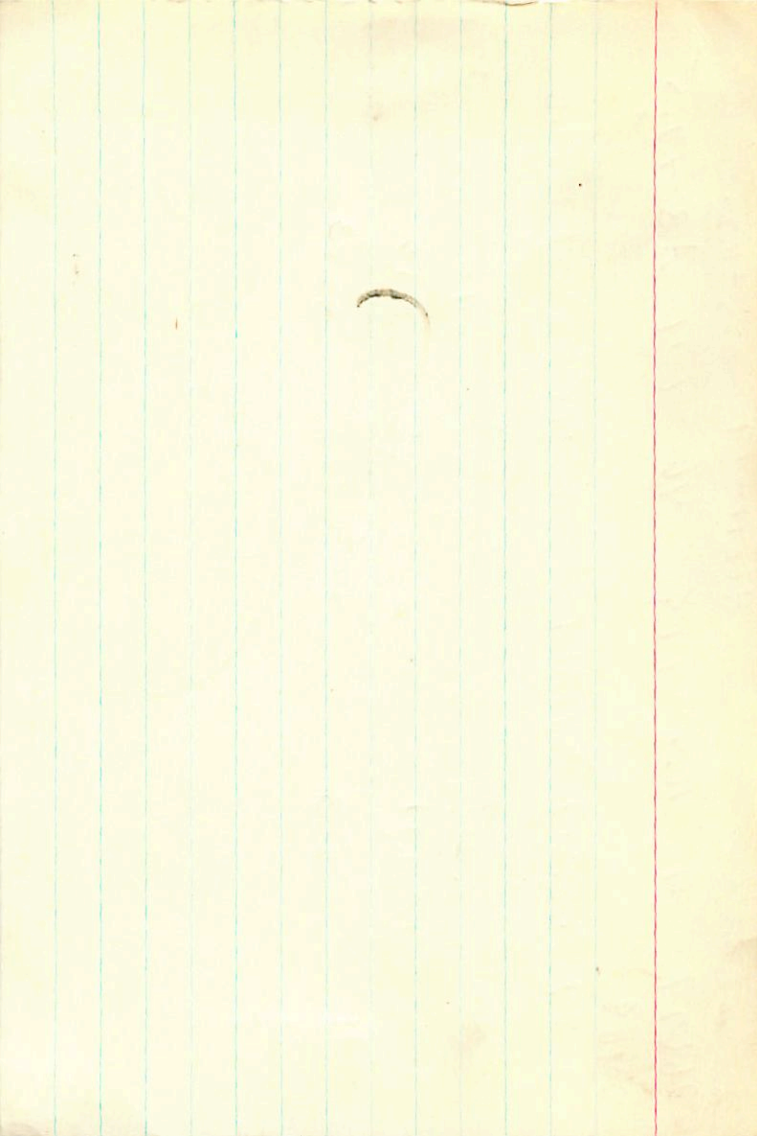
+ 0006 - 026

+ 009

52.36 1933.7

17  
52.53

156



GC 5135  
 3093  
 0° En 06

13.0 -7 44  
 4 10.8 -7 44

0.202 (64)

0.47  
 0.31  
 0.16  
 0.17  
 0.017  
 0.07

P 247.92 B BAN 3,125  
 a 6.894

$m_2 = 0.31(m_1 + m_2)$

m lon R R±

B ② 9.52+0.03+0.68 0.43 -36 9.76 -0.11 (norm) +11.05 +11.19  
 C ② 11.17+1.66+0.83 0.20 -71 9.63 +1.31 +12.70 +9.85

m v M I

350000  
 6.35 x 10<sup>4</sup> x 8.24 x 10<sup>3</sup>  
 520

4.08 +0.29

+5.96 +5.32

m v w  
 -95 -12 -40

2747  
 547  
 2243  
 20223  
 2022677

1498  
 749  
 2247

P = -42.4  
 Bul 51

5  
 -1498 -3.420

9.25

16.9

25.6

7.53

9.09



26770

4 No. 0 - 28 70

A 114.0 50.9 C<sub>2</sub>(14)

625094

AB 2.46 +0.50 C, Co<sub>2</sub>

~~Co<sub>2</sub>~~

B 119.6 50.6 C<sub>2</sub>(14)

716.3

- 2801457

0074 098

AD53069 om no  
3"

7360  
6570

1038  
0809

097 098

3.14

3.

59034  
-340  
58694

10070 ± 11.3  
+6062  
087  
-28  
40  
2.57  
19978

58.292  
578  
870

1054

077060

5447  
-324  
5181

1935.00

1843  
16  
898

922  
922

26.4

4.01  
4.21  
80

7612  
38.1

24713  
7  
708

1026

3.822  
13  
3509

1941.2

40.3

24223  
3  
10.542  
1645

32.10  
2.819  
2.116

3.42  
39

47 Term

26722 4 11.2 +0.9 0.8 5.0 g 65 -6.6 a

2414

~~807~~

5100 13.045 1911.6 +4 8 18.51 1407.6

APB 3072  
023  
13.068  
13.038

1.53  
20.04

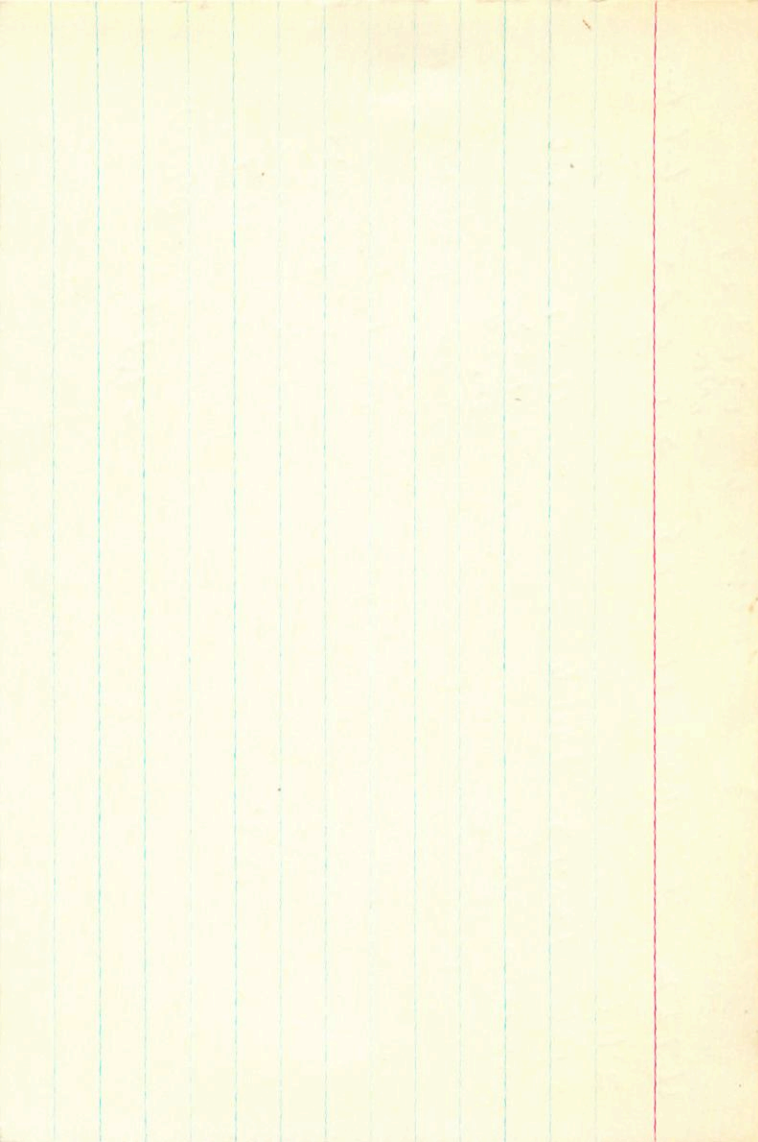
5.0 } 11 22  
7.5 }  
13.070

18.72 1434.20  
17  
18.89 73.53

13.070  
+ 22  
13.092

18.48 1439.33  
+ 17  
18.65  
18.87  
36.8  
29.2

-1.17



47 Ten

4 11.2 top of

-6.6a

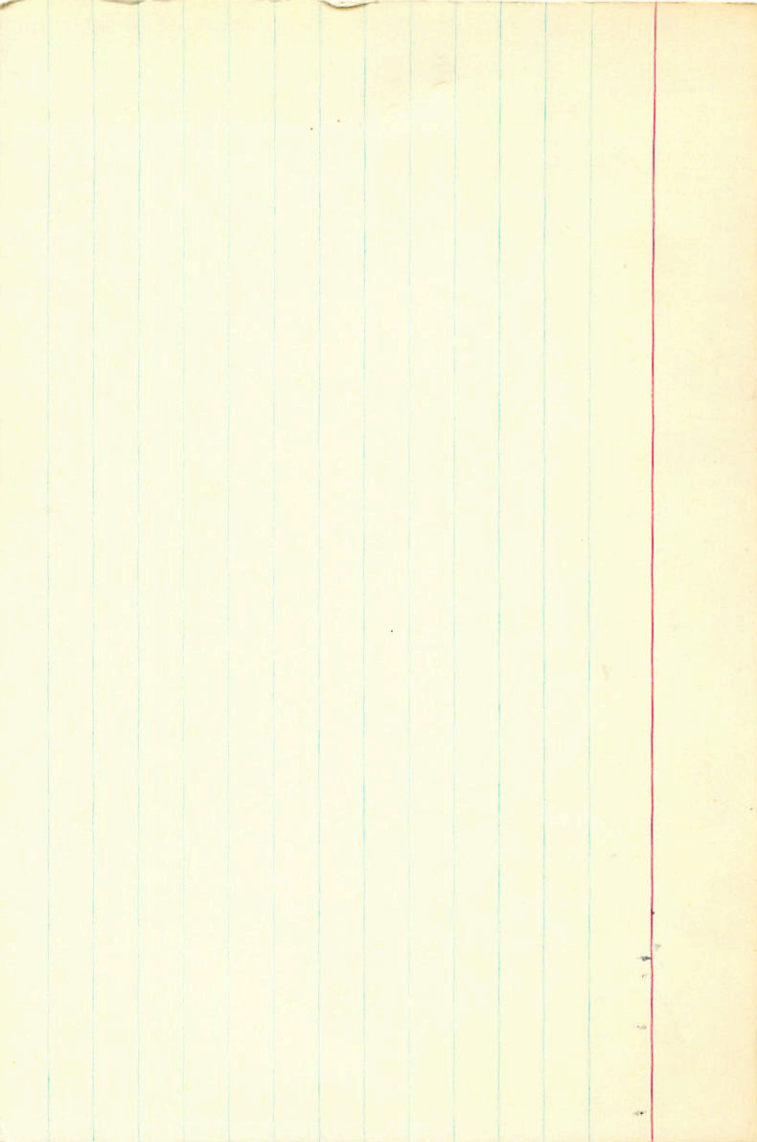
4R1311

4.70" +0.86"

806

-009 -036 6c

8 1/11



52 PM

4 11.5 +40 22

HR1306

4.7 (circled)

A2+G5I8

+017 -025 G6

+0089 -026

+0011 -0306

+00112 -0310

0128

012-033

5.95 143.95 32.48

6.36 174.0 33.83

6.45 161.3 34.16

6.47 183.0 34.23

6.48

9.78 39.17 | 0354  
2516 -92.41 | -0018

0051 6.48

Sp. etc.  
5.6 +0.3 -1.0

+0015 F2-1 -025 F16

-039

28.739 15013

+0013

32.35 18543

-0736

F20

1.27

.66

+0014 -029

33.62

28.703

25

31.97

-14

1552.77

8

.931

31.81

+065

-1.81



P.A. :  
DEC. : 4.200  
PM. R.A. : 48.400  
PM. DEC. : 0.000  
DISTANCE : 0.000  
MODULUS : 0.000  
RAD. VEL. : 10  
0.000

d1 (W) :  
d2 (W) : 0.337  
d3 (W) : -0.122  
d4 : 0.222  
u : 0.000  
0.000

d1 (V) :  
d2 (V) : -0.243  
d3 (V) : 0.282  
d4 : 0.347  
v : 0.000  
0.000

d1 (M) :  
d2 (M) : 0.288  
d3 (M) : 0.212  
d4 : -0.130  
w : 0.000

R.A. :  
DEC. : 4.200  
PM. R.A. : 40.400  
PM. DEC. : 0.000  
DISTANCE : 0.000  
MODULUS : 0.000  
RAD. VEL. : 10  
          : 0.000

q1 (U) :  
q2 (U) : 0.337  
q3 (U) : -0.155  
dU : 0.929  
U : 0.000  
      : 0.000

q1 (V) :  
q2 (V) : -0.643  
q3 (V) : 0.682  
dV : 0.347  
V : 0.000  
      : 0.000

q1 (W) :  
q2 (W) : 0.688  
q3 (W) : 0.715  
MP : -0.130  
M : 0.000  
      : 0.000

12/20/22

12/20/22

12/20/22

12/20/22

12/20/22

12/20/22

12/20/22

12/20/22

414

20 21 22 23 24

43303936

9.23 11.3 11.8 B) 10.400 B)

5158 9.11.1

- 11.11.1

- 27.6

AOS 3082 4 12.5 +31.34 -2558

+310337

738

"  
+010 -064

71.4 55.5

AB  
+0000 -031  
+0010 -062

AB  
-003 -0.020  
-001 -0.064

+335 -010 +642  
-643 +725 +234  
+688 +654 -236

+0028 70.6  
-1518 10.2 -240 -24  
-1426 -10.7 -6.0 -17  
-10.1 +6.0 -4

20  
10  
10

+0158 +0030  
-0305 -2208  
+0326 -2075

71.4 55.5  
71.4 55.5  
-23 -23  
-24 -20  
-6 -4

0.10

+0016  
+0004

-0.66

-603

10 12.58

31.936

+0010 -0.65  
- 2 + 1  
          

-8.8

1911.0

449.16

44.156

45.024

45.024

45.024

45.024

45.024

45.024

45.083

45.024

0.24

1.104

+0.073

11.29

-0.7

1957.0

11.22

3.08

18.36

3.47

14.3

14.44

14.30

13.0  
12.43

1929.9

4026542

P = -25.5

3082

4 12.8 +31 87

5

+0008 -064

-19 M(10)

807

0

5

25(8)

AB 7.32 +0.58 +0.12 3

-01

465 342

16 V(10)

C 8.51 +0.59 +0.14 3

-03

471 380

0

x106

I 185.39

188.97 0.34 -076 +420 -352 -387 0.610 61.5 6.58

II 208.30

189.01 0.41 -135 +344 -374 -426 0.621 529 5.53

n v w

II = 0.14

m<sub>1</sub> + m<sub>2</sub> = 2.5

-23 -24 -4

0.18

= 2.04

-23 -20 -4

.0165

I

II

1846.06	380	0.37	2 OS	+0.7	-0.02	+0.7	-0.07
1878.50	69	0.44	4 Bar	-3.9	+0.02	-0.8	+0.03
1896.90	149	0.22	3 A	0.0	+0.02	-0.9	+0.02
1900.77	178	0.22	3 A	0.0	0.00	-0.6	0.00
1903.33	193	0.26	3 A	0.0	+0.01	-0.2	0.00
1905.44	205	0.27	2 A	+2.6	-0.02	+2.6	-0.02
1912.55	223	0.46	2 A	+1.0	+0.05	+1.2	+0.05
1914.73	224	0.46	2 A	-1.9	+0.01	-1.7	+0.02
1918.26	231	0.48	2 A	0.0	-0.02	0.0	-0.01
1921.49	234	0.49	2 VB	-0.9	-0.05	-0.8	-0.05
1921.70	235	0.51	2 A	0.0	-0.04	0.0	-0.03
1932.93	245	0.665	10 VB	0.0	+0.01	-0.2	+0.02
1938.49	251.5	0.685	5 VB	+2.5	0.00	+2.1	0.00
1942.56	251	0.73	3 V O	-0.7	+0.03	-1.1	+0.03

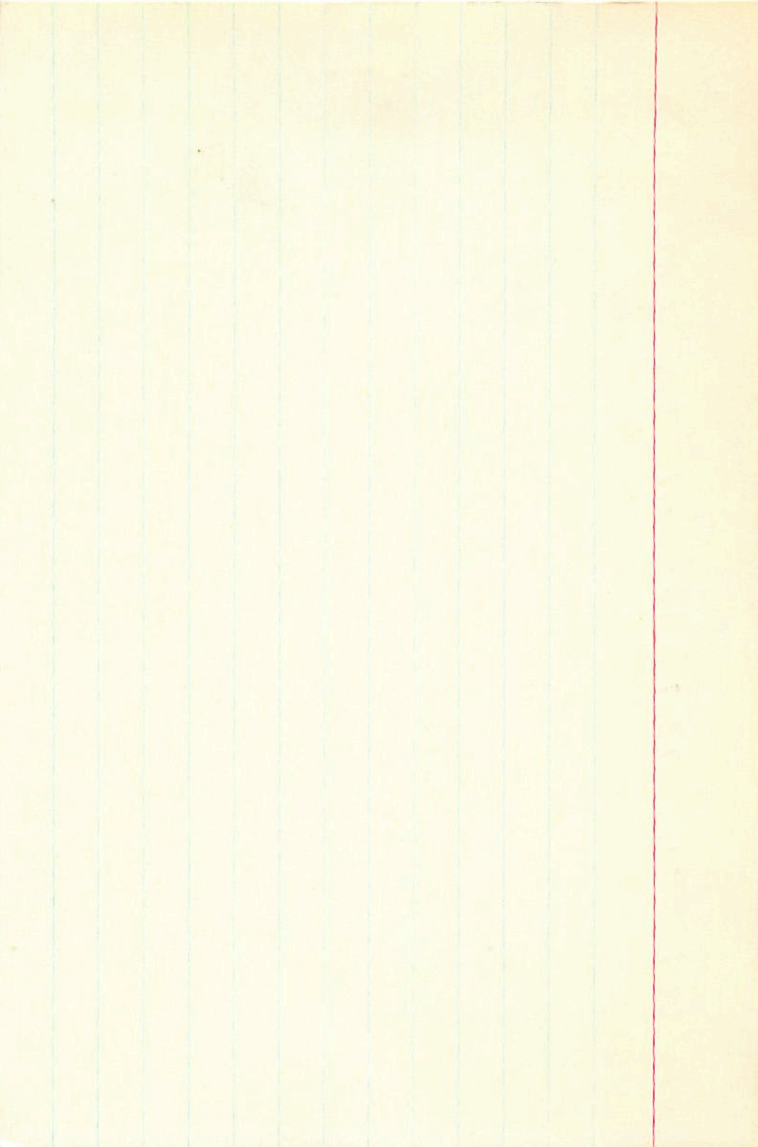


3W  
+150604 4 13.1 +15 41 9.5 gNO +55.98

✓  
52444

✓  
52444  
15.1  
41  
9.5  
gNO  
+55.98

+0062 -047 Km



$27089$      $4$      $14.3$      $+4$      $25$      $8.6$      $df9$      $+60.38$      $3w$   
 $5170$

$2454$      $15.589$      $1908.1$      $+4$      $25$      $12.33$      $1908.4$   
 $-482$   
 $\frac{507}{11.91}$

$15.846$      $12.12$      $1937.69$   
 $33$   
 $\frac{879}{12.41}$   
 $178 - 17 + 16$

-0029 ± 1.6 -059 ± 1.6  
-0033 -0.63

MSY @ 2p

WTau 4 14.3 +20 27 Am +15.7a

4.75 +0.27 -041 -059 6c

27045

1901.2 -042 -056 c

2455

1901.2 -042 -056 c

5172

2.85

28.49 032

19.457 164

26.34 1432.9 10012

18.66

23 26.57 136

-0.22

1427.52 9894

42.70 142870

51.056 146

45.52

26.46

27.905

26.52

31.7

2.1017

195.42

28.7

27.01/22.3

1938152

19.617

19.617

26.55

33.4

+3

26.56

32.2

796 445 350 937 -0.2 -0.5 +15.7 -2.0<sup>20</sup> +5.5 -256

038 <sup>018</sup> +152 -019 -090 <sup>009</sup> 600 <sup>✓</sup> 772 +14.7 +6<sup>5</sup> +13.2 032 <sup>200, 2</sup>

223  
+122  
0

~~+24 +37 -3~~  
~~+34 -6 -30~~

+13.6 +13.2 -2.5

+8 +1 -14

+11.6 -1.2 -15.2

V4107m  
HT Thm

4 15.4 + 28 20

+175 (8)

1.25

+20 (9)

+28.33

9

-23

6.5

+18

79

17

4.250	:	R.A.
28.330	:	DEC.
9.000	:	PM. R.A.
-23.000	:	PM. DEC.
6.200	:	DISTANCE
200	:	MODULUS
18.000	:	RAD. VEL.
8.320	:	p1 (U)
0.040	:	p2 (U)
0.245	:	p3 (U)
7.820	:	DU
18.271	:	U
140.0	:	(V)
0.744	:	



79

R.A. :	4.250
DEC. :	28.330
PM. R.A. :	9.000
PM. DEC. :	-23.000
DISTANCE :	6.500
MODULUS :	200
RAD. VEL. :	18.000

q1 (U) :	0.326
q2 (U) :	0.040
q3 (U) :	0.945
dU :	7.866
U :	18.571

q1 (V) :	-0.641
	0.744

+0068 = 3.9  
+0066  
-053 = 2.8  
-049

27084 4 15.5 +49 56 5.5 AS -16.56

2466

5191 27.513 1895.5 +49 55 44.43 1898.4  
$$\frac{-371}{.142}$$

34.97<sup>2</sup>  
52.24<sup>2</sup>  
$$\frac{27.126}{.336}$$
  
344

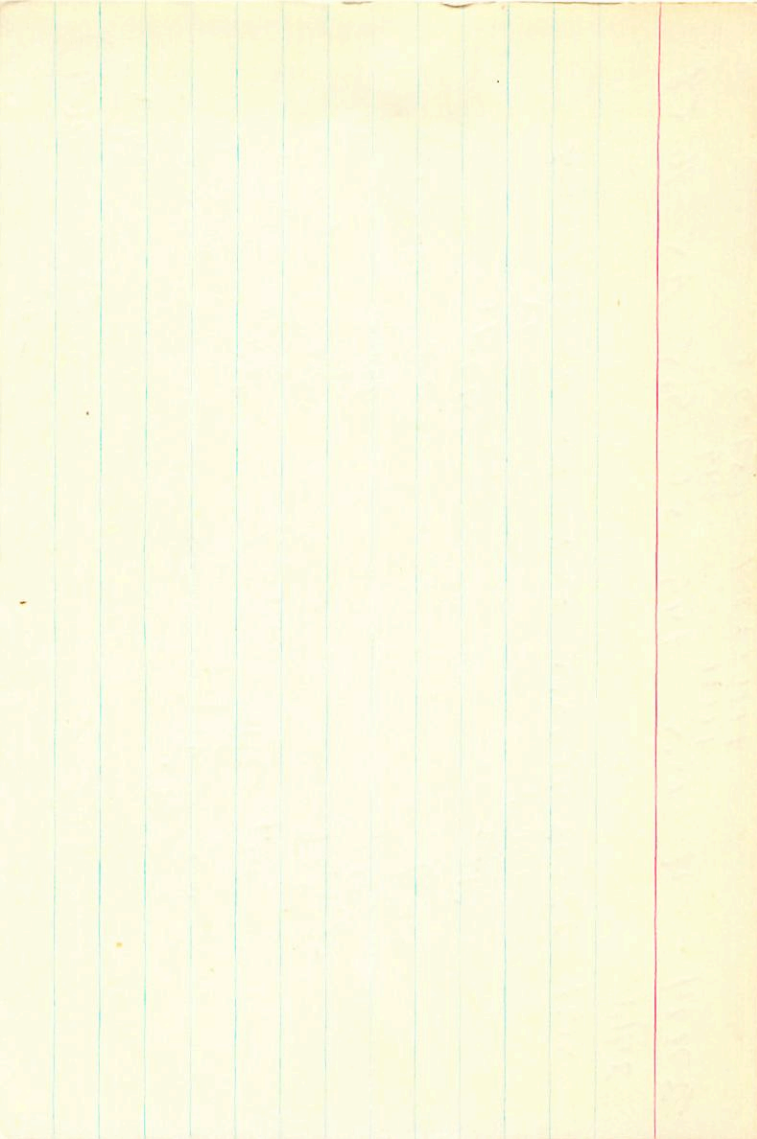
40.8

819  
$$\frac{410}{.268}$$
  
+ 268  
27.465  
$$\frac{+10}{475}$$

3.0 1925.8  
44.42  
$$\frac{47.42}{-1.83}$$
  
$$\frac{45.59}{+33.2}$$
  
45.92

1944.76

45.01  
$$\frac{-21}{44.80}$$
  
45.36  
$$\frac{-1.80}{36.9}$$



1304

~~1248~~

49.858

4

18.7

49

22

27206

(5.1)

12.5

6.53 1616

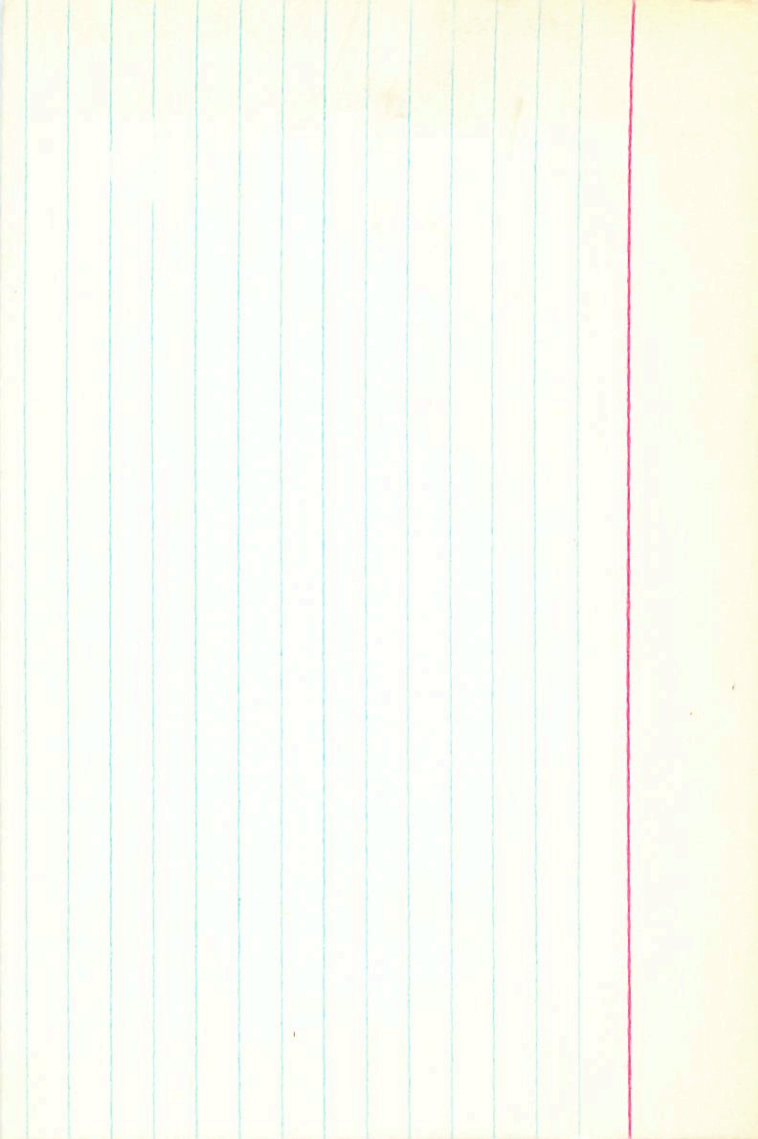
49 III +19 (2)

042 170 1161 2.984

040 186 1150

6.3

+0.61



27325 4 15.9 46 6.9 966 + 14.96

2470

5198 56.439 1907.5 -14 45 34.16 1904.8

$$\begin{array}{r} -076 \\ \hline 1363 \end{array}$$

$$\begin{array}{r} 47.400 \\ 8.895 \\ \hline 56.295 \\ 308 \\ \hline 56.603 \\ 326 \end{array}$$

$$\begin{array}{r} 332 \\ \hline 03 \end{array}$$

$$\begin{array}{r} 28.748 \\ 22.565 \\ \hline 51.313 \\ 317 \\ \hline 526 \end{array}$$

$$\begin{array}{r} -77 \\ \hline 34.93 \end{array}$$

$$\begin{array}{r} 76.17 \\ 42.05 \\ \hline 118.22 \end{array}$$

$$\begin{array}{r} 34.12 \\ -1.14 \\ \hline 35.26 \\ +40 \\ \hline 34.86 \end{array}$$

1933.5

$$\begin{array}{r} 34.54 \\ -20 \\ \hline 34.74 \end{array}$$

28.9

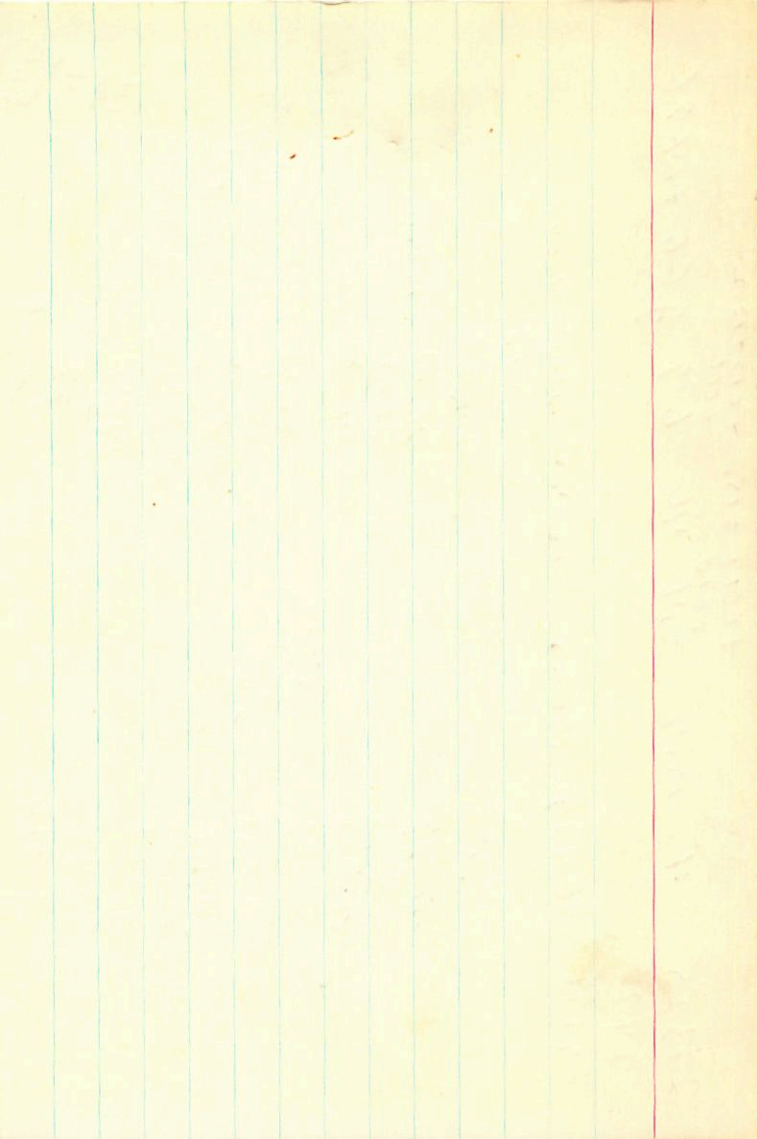
$$\begin{array}{r} 229 \\ \hline 34.76 \\ +.17 \end{array}$$

1941.42

$$\begin{array}{r} 34.78 \\ 34.18 \\ \hline 34.58 \\ 34.21 \\ \hline 34.67 \end{array}$$

109.18

36.4  
31.0



E Ret

27442  
142468  
665194

4 15.6  
-0065

-559 25

129.34

N2

4.35 11.10 Cap

Y958

36.967 1904.6  
327

-59 25 1836 1900.8

-8.12

10.24

-59024

37294

36881 22.27  
875 82.83

-055-165

HR355

371124  
-57  
367

17.18 1938.50

39.2

134  
16.8 206  
30567 104

85.60

42.8  
41.6

1946.7

18.3

038  
038

077

37.01

17.84  
17.84

5850 Y18



895 440 - 561 509 - 055 - 165 + 28.3 142 - 25 - 355  
049 - 125 - 024 062 - 062 - 720 + 149 + 7 + 13

+6 - 1 - 33

05

-15 - 22 - 20

89

912-302-3551  
-47.99 -1678  
5-48405

E Ret 4 15.6 -59 26 9121

1.30

1355

27992

1981

stop?

stop

+31  
9

7.44 + 108 + 109 C

359 + 0.39 35  
400 + 0.36 32

3.41  
3.15

±2.5  
Get +29.3a

-0.00695 -0.1745  
19

0531



116 573 247  
1177 461 252

315

col

1182-954 25 MF



REC'D  
DEPT.  
STANCE  
DULLS  
VEL.  
P1 (U)  
P2 (U)  
P3 (U)  
P4 (U)  
P5 (U)  
P6 (U)  
P7 (U)  
P8 (U)  
P9 (U)  
P10 (U)  
P11 (U)  
P12 (U)  
P13 (U)  
P14 (U)  
P15 (U)  
P16 (U)  
P17 (U)  
P18 (U)  
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P75 (U)  
P76 (U)  
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P84 (U)  
P85 (U)  
P86 (U)  
P87 (U)  
P88 (U)  
P89 (U)  
P90 (U)  
P91 (U)  
P92 (U)  
P93 (U)  
P94 (U)  
P95 (U)  
P96 (U)  
P97 (U)  
P98 (U)  
P99 (U)  
P100 (U)

DEC : : -54.250  
R.A. : : -47.990  
DEC : : -167.810  
DISTANCE : : 1.300  
MODULUS : : 18  
VEL. : : 29.300

q1 (U) : : 0.326  
q2 (U) : : 0.945  
q3 (U) : : -0.003  
q4 (U) : : -789.668  
q5 (U) : : -14.472

11-11-11  
MB  
W

80

1111-

18

1111-

17.802

1355.000\*

4.000\*

15.600\*

-59.000\*

-26.000\*

-0.049\*

-0.176\*

3.150\*

42.650

29.300

-0.865

-0.003

-41.4

-36.959

-0.032

-0.737

-23.1

-22.959

81

0.039

-0.676

-18.0

-18.165

P = 4.13

+0013 ± 5.1 -033 ± 4.1  
-033

A0 + A0

+254a

5.80

43

+33

15.0

5

172A

ARRAN

34364

6476 5.39 -17 -55

-032

1893.1

55.02

42

+33

1902.4

1.281

+3311002

262

219

146

872

256

188

56.90

41.25

57.35

1.70

55.23

55.

8725

+13

-29

441

+26

+0013

22.37

38.110

1.200

0.32

0.34

1.236

41.16.1

1925.4

41.25

57.35

1.70

55.23

55.

8725

+13

-29

441

+26

+0013 -0315

+0162

+015-032

6.0

+25.4

-22

5.25

+337

+19

117

29

146

872

256

188

56.90

41.25

57.35

1.70

55.23

55.

8725

+13

-29

441

+26



1011  
b29

10080 +0127  
-0433 -1268  
+0617 -0906

+0207  
-1701  
-0289

1008  
+2.1 125.2  
-17.0 13.2  
-2.9 -1.0

+127.3  
-13.8  
-3.9

+105 -088 991  
-571 +811 127  
+914 +579 -038

82

22

22  
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28

5.250  
33.700  
18.000  
-32.000  
6.000  
158  
25.400

141

0.105  
-0.080  
0.991  
19.543  
28.277

-0.571  
0.811  
0.126  
-163.582  
-22.735

-19

0.814  
0.579  
-0.039  
-30.075  
-5.762

4077 SA  
3995 SA  
4225-01 SA

135  
+ 48  
- 178  
- 56  
- 1.22

1782 Si 24200 5 15.7 133 42

34452 5.43 15-43 E

+26.1  
+25.4  
+26.0

126 178 348 2.707  
156 878 2.784

278

Sp

603

Handwritten notes and a grid of small circles on the reverse side of the paper.

5

42443 48  
- 57  
391

10009

10012 521

10017 007  
- 028 422

5018

124

38

5141

100105 - 0275

10012 030

100091 - 0277

10114

10105 20285

4470

70

(69.7)

4960

42418  
431  
446

5.25

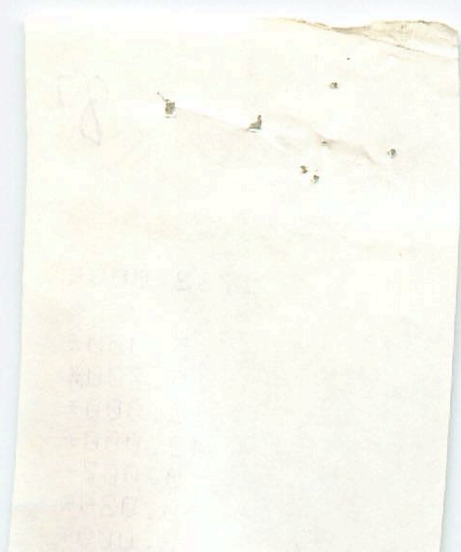
133.7

112.5

28.6

6.0

1260



87

1732.000\*

5.000\*

15.700\*

33.000\*

42.000\*

0.007\*

-0.026\*

6.000\*

*Handwritten mark*

R.A.: 5.25  
DEC: 5.98  
A: 0.00  
D: 0.00

SINL: 0.9810  
COSL: 0.1940

*Handwritten mark*

SINT: -0.9998  
COST: -0.0207

---

R.A.: 5.25  
DEC: 33.70  
A: 5.98  
D: -35.10

*Handwritten mark*

*Handwritten mark*

SINL: 0.9370  
COSL: 0.3492

SINT: 0.1659  
COST: -0.9862

---

R.A.: 5.25  
DEC: 33.70  
A: 5.82  
D: -12.44



$+35$   
 $27728 + 4$   
 $15.4 - 75$   
 $54$   
 $253$   
 $114$   
 $724$   
 $2.53$   
 $732.0$

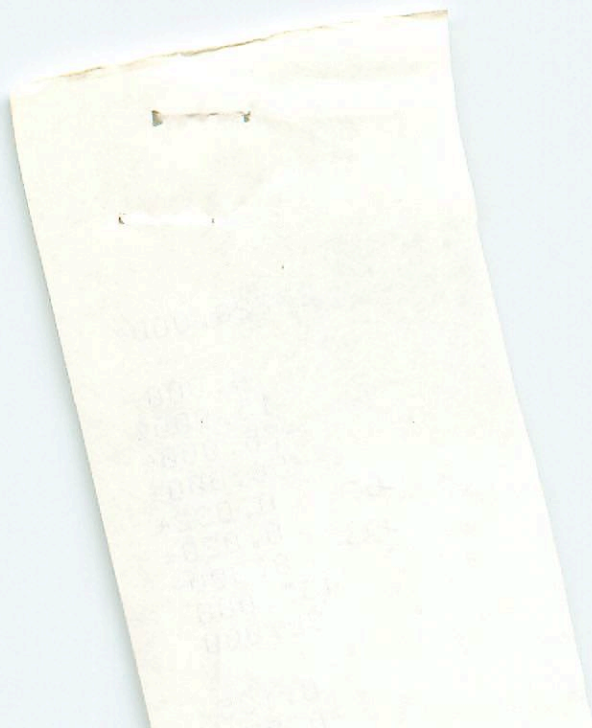
GS157  
 $+0080$   
 $+0073$   
 $+0060 = 0.8$   
 $+038 = 6.7$   
 $+0042 + 0.25$   
 $+0060 + 0.35$   
 $10023 + 0.20$

$55.192$   
 $291$   
 $54.901$   
 $1401.5$   
 $50.50$   
 $- 1.93$   
 $52.83$   
 $1849.0$   
 $+0078 + 0.25$   
 $+0078 + 0.18$

$55.290$   
 $- 0.25$   
 $55.249$   
 $10076 + 0.20$   
 $10072 + 0.20$   
 $10079 + 0.18$   
 $51.70$   
 $- 2.5$   
 $51.95$   
 $+ 9.8$   
 $1948.0$   
 $+023$   
 $+0274023$

$7.24 + 114 (2.53)$   
 $55.55$   
 $116.04$   
 $55.5$   
 $437$   
 $25$   
 $825$

84



27728.000\*

4.000\*

15.900\*

-75.000\*

-56.000\*

0.032\*

0.020\*

0.300\*

457.088

32.000

0.135

+27

+23

Handwritten notes on two pieces of aged paper. The top piece contains faint, illegible text and a handwritten mark resembling a stylized 'A' or 'B'. The bottom piece contains faint, illegible text and a handwritten mark resembling a stylized 'A' or 'B'. A small white mark is visible near the top edge of the bottom piece.

27728.000\*

4.000\*

0.000

-75.000\*

-56.000\*

0.027\*

0.023\*

8.300\*

457.088

32.000

0.145

-0.277

57.274

-0.079

-0.757

84

-60.289

0.033

-0.591

-3.765

-0042230 -00222.0  
-0037 -002

HR1327 2702<sup>2</sup>  
5199  
2471

4 15.9 +65 01 8.63 -18.55a  
-21.2+0.316 +  
-0.26 -002 CC

5.27 +0.81 +0.45 G2A

56.943 1883.8 +65 1 15.99 1891.5

+278  
227  
57 224

56.980  
17  
997

11  
16.10

16.09 1946.53  
-11  
15.98

898 438 906 423 -026 -002 -18.5 -002 -18.8 -005

023 002-011-001 11/4 -043 7.8 -3.4-7.0

01

+5.0 -11.3 -17.3

-17.2-4.1-13.8

011

+7 -11 -17

-17 -5 -12

005

+11 -12 -18

-18 -4 -26

015

+3.2-10.0-17.1

-16.5-6.7-9.2



27604

524M

4 17.4 -52.59

+21.7 10sla  
+18.3 4C  
+200

FD1138

1365

6.08 +0.49 (1.64) Fd IV-E

WU

6.0306  
9.0306

10.0050 +0.074 0.30

10.0063  
10.0074

624 142 631

6.08 300 +77.545 26.51

10.0056  
10.0074

238 570

780 351  
126

10.00505 +0.0735

DR  
9078 5719  
41144 8263

+0476 +20.0 (477) 0888

WU  
+2.5

4052 +0772

100555 +0776  
00358 +076

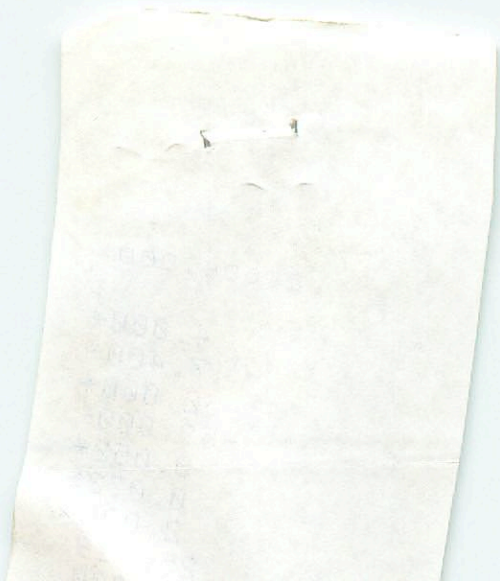
(2)

00352 +0528  
1087 +71 565

-0.7  
0102  
496



85



27504.000\*

4.000\*  
17.400\*  
-52.000\*  
-59.000\*  
0.052\*  
0.072\*  
2.000\*  
25.119

6.07 253 887 464 + 6.8 48.8  
8.74 67 488 353 107

49.8 71.0 4  
10.9 14.0 2  
11 1.4

27604 17.4 4.1 5.9 5.5

HR 1365

665205

0.50.0  
0.50.0  
0.50.0

9078 5729 0898  
4001 8202 0809

1307 171 545 2651

~~607 303 176 536 2630 055~~

9 61 255 255

349 1.12 256

646 308 177 537 2042 253

230, 0

478 14 1200

400 565 40740

400 528 40734

232 -2

475 118

2.10 +12.8 -15.4 -10.9

116

+406 -047 +110

+11 32

+10 528 793

+10 565 40740

+10 528 40734

4078

3.5

4183

793

4078

40740

40734

4078

475 118 2.10 +12.8 -15.4 -10.9

116 +406 -047 +110

4078

40740

40734

HR 65

4078

40740

40734

4078

86



1365.000\*

4.000\*

47.400\*

-52.000\*

-53.000\*

0.052\*

0.005\*

3.500\*

53.119

13.300

3.074

0.126

6.026

-3.145

-9.760

86

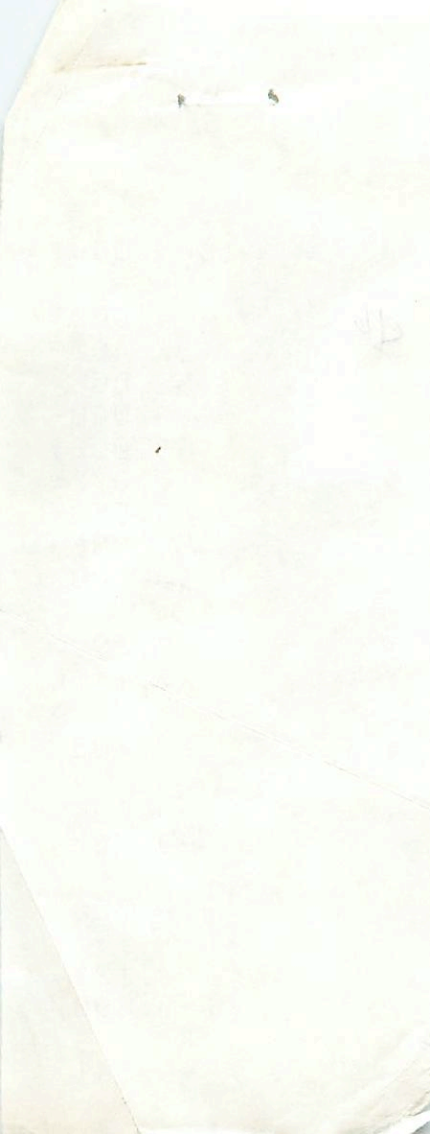
-21.148

0.187

-0.638

-2.312





1365.000\*

26

4.000\*

17.400\*

-52.000\*

-13.000\*

3.052\*

3.972\*

3.550\*

51.286

~~19.300~~

20.

3.399

3.116

22.600

-3.054

-3.707

17.

15.720

3.121

-3.698

-5.541

27135

4 17.4 +70 43 984 +170

+20°294

8.2

+009 -019 642

961 433 541 331 +009 -019 +17. -018 +16 -028

-008 016 004 -008 0 09.5 +16.0 +2 +5 0035

3'

+2 +YY +5

+41-15-7

27518 4 17.6 -25 09 6.87 +1.44 2.52 K5II -25.6

GL5248

27 36.440 1905.7  
 - 084  
36.356

243 37.63 1903.3  
 - 84  
38.47

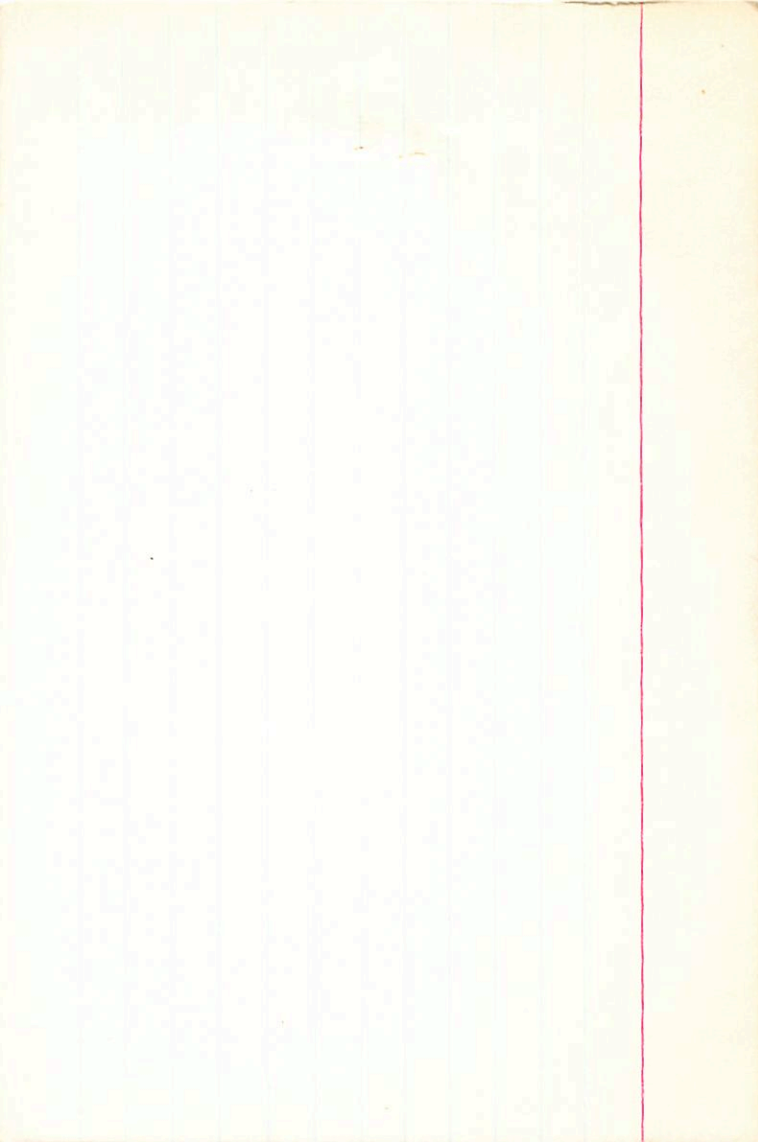
+ 0017 - 003  
 + 0.0019 ± 3.4 + 0.018 ± 3.2

+ 0.0018 + 006

36.505 1940.49  
 + 10  
36.615

38.75 1940.49  
 + 18  
38.57

- 10  
 .003



000 +3.4 +01853.2  
-0010 +003

27518 4 17.6 -25 09 6.9 9125 -29.38

2500

5248 36.940 1905.7 -25 8 37.63 1903.3

6.87 + 1.44 (2.52) 6  
6.08 + 0.57 (1)

34.208  
2.670  
36.878  
36.888  
+14  
37.028

570  
488 7.45  
358  
908  
-032

-0005 +0105  
-0006 +0045

36.905  
+14  
36.919  
36.882  
+14  
36.898

-0001  
-0005 +0008

75.97  
38.55  
37.42  
37.04  
-1.04  
38.40  
+12.4  
50.80  
25.69  
38.50  
+0.09

1935.05

38.3  
38.75  
38.73  
28.79  
+11  
39.62

1940.49  
10934  
364  
33.1

1933.90

58



27518.000\*

4.000\*

17.600\*

-25.000\*

-9.000\*

-0.005\*

0.008\*

7.450\*

309.030

-29.300

0.022

0.533

-8.748

0.038

-0.491

87

26.012

-0.010

-0.689

17.213

1361

4 18.1 +9 06

43

27505

+9 (2)

5261

6.52 40.15 +0.10 6

7055 +0.12

6.53 070 189 988 2.759

4.6



642

2

15.6

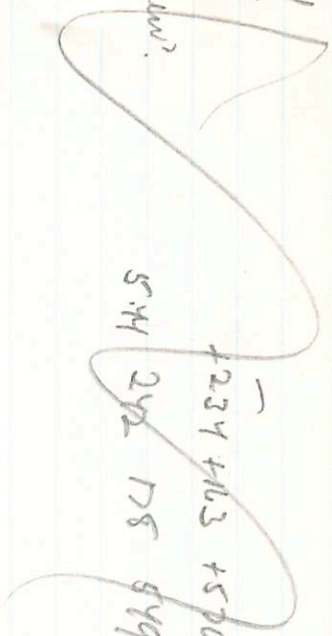
-11

00

14691

2844

new?



+234 +163 +500 - 344 -

544 242 178 844

+122

88

000.00  
000.00  
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000.00

88

4.300  
9.100  
55.000  
42.000  
4.600  
83  
38.000

0.315  
0.348  
0.883  
150.497  
46.063

-0.639  
0.766  
-0.874  
-11.383  
-3.807

0.702  
0.540  
-0.464  
200.301  
0.340

88

$+170854$      $+1021-0105$      $5000 \pm 17.0$      $-033 \pm 13.0$     MSII    4.L  
 $+025$      $+008$

27598    4    18.4    -16    57    7.3    MS +98.98    8.15

5269     $+020$     -009    71

2512    25.832    1905.6    -16    56    55.79    1901.0

$+018-0115$      $+024-011$      $+027-013$      $503$     103    136    1.62  
 $+030-0104$      $8.263$      $525$      $525$     281     $54.17$

$25.813$      $30.68$     1933.53     $37.10$      $33.7$   
 $8820$      $53.58$

$902$      $902$      $54.42$      $327$   
 $906$      $54.40$      $54.42$

$25.878$      $54.30$     1433.51

$8.70$     105     $54.33$      $54.33$

$465$     15     $54.33$

2000    2000    2000

957

5.4  
4.0  
4.25  
4.70

10.0015 + 0.002 *Value*

$$\frac{1}{10.0014} \approx 0.0002$$

10.020

150 pm. 198.4

+314 +701 +641  
 -638 +655 -904  
 +703 +262 -653

+0298	0	+134	+43.4	+76.8
-0605	0	-27.2	-90.0	-67.2
+0866	0	+39.0	-64.6	-25.6

89

10

1000  
 900  
 800  
 700  
 600  
 500  
 400  
 300  
 200  
 100  
 0

2  
 2



27598.000\*

4.000\*

18.400\*

-16.000\*

-57.000\*

0.027\*

-0.013\*

8.150\*

426.580

98.900

-0.003

0.641

62.075

-0.122

-0.404

-92.029

801

0.073

-0.653

-33.614



9.250  
33.700  
13.000  
-29.000  
6.100  
166  
26.000

0.105  
-0.080  
0.991  
16.345  
28.487

-0.571  
0.811  
0.126  
-140.786  
-20.098

0.814  
0.579  
-0.039  
-37.891  
-7.307

*gr*